### INTERNATIONAL SEARCH REPORT

Interv nal Application No PCT/EP2004/053267

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H05B6/68 H05B6/80

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (dassification system followed by classification symbols) IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. D	OCUMEN	ITS CONSIDERI	ED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	US 4 335 293 A (KOBAYASHI ET AL) 15 June 1982 (1982-06-15) column 2, line 60 - column 3, line 49; figures 1-3 column 3, line 59 - line 67 column 4, line 18 - line 40	1-3,5-7
X	US 4 097 707 A (KOBAYASHI ET AL) 27 June 1978 (1978-06-27) column 2, line 49 - column 3, line 39; figures 1a,1b	1-3,6,7, 9
X	US 5 698 126 A (MORITA ET AL) 16 December 1997 (1997-12-16) column 6, line 39 - column 7, line 18; figures 3,4,8,9 column 8, line 33 - line 55	1,2,6

X	Further documents are listed in the	continuation of box C.

χ Patent family members are listed in annex.

- ° Special categories of cited documents:
- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filling date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- O document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed
- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

#### 18 March 2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

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Interl nal Application No PCT/EP2004/053267

n of document, with indication, where appropriate, of the r	refevant passages	Relevant to claim No.
igures 1,2 olumn 3, line 49 - line 56		1,2,6
TD) 2 June 2004 (2004–06–02) aragraph '0023! – paragraph '0 igures 3.5	028!;	1-3,6,7
	column 2, line 55 - column 3, ligures 1,2 column 3, line 49 - line 56 column 4, line 26 - line 36 EP 1 424 874 A (SAMSUNG ELECTRO TD) 2 June 2004 (2004-06-02) caragraph '0023! - paragraph '0	column 2, line 55 - column 3, line 30; figures 1,2 column 3, line 49 - line 56 column 4, line 26 - line 36

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